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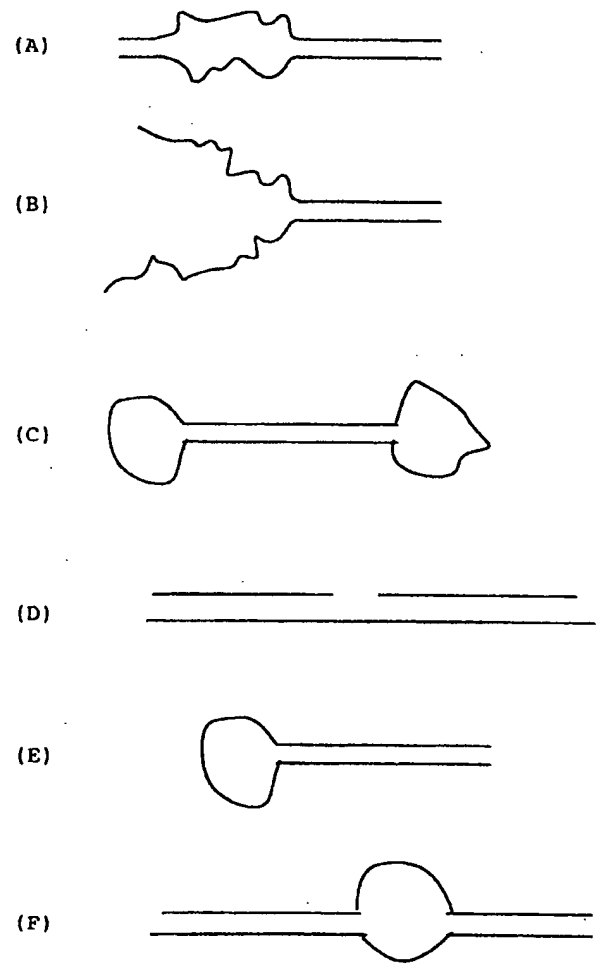


Figure 1 (A-F)

Construct Forms Comprising at Least one Single-Stranded Region

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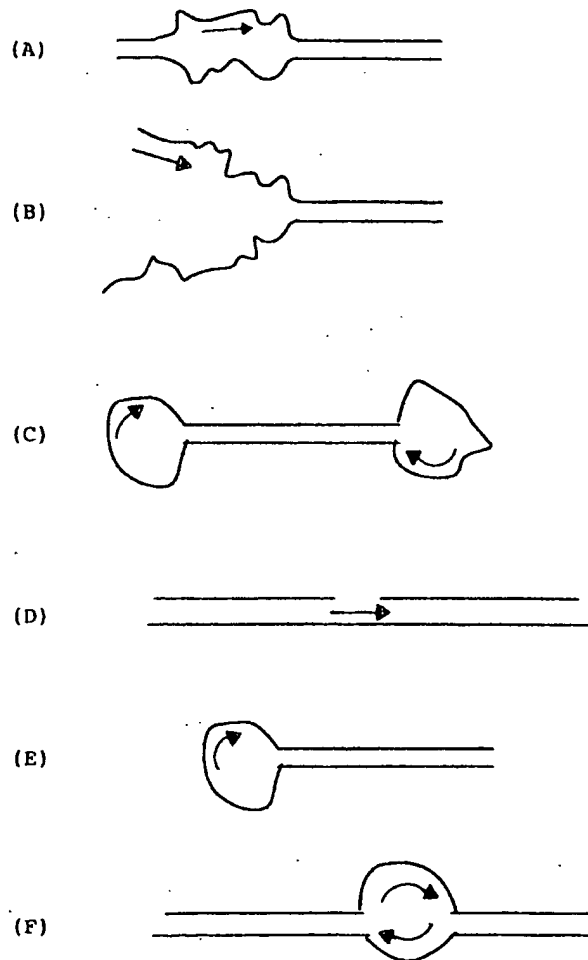


Figure 2 (A-F)

Functional Forms of the Construct

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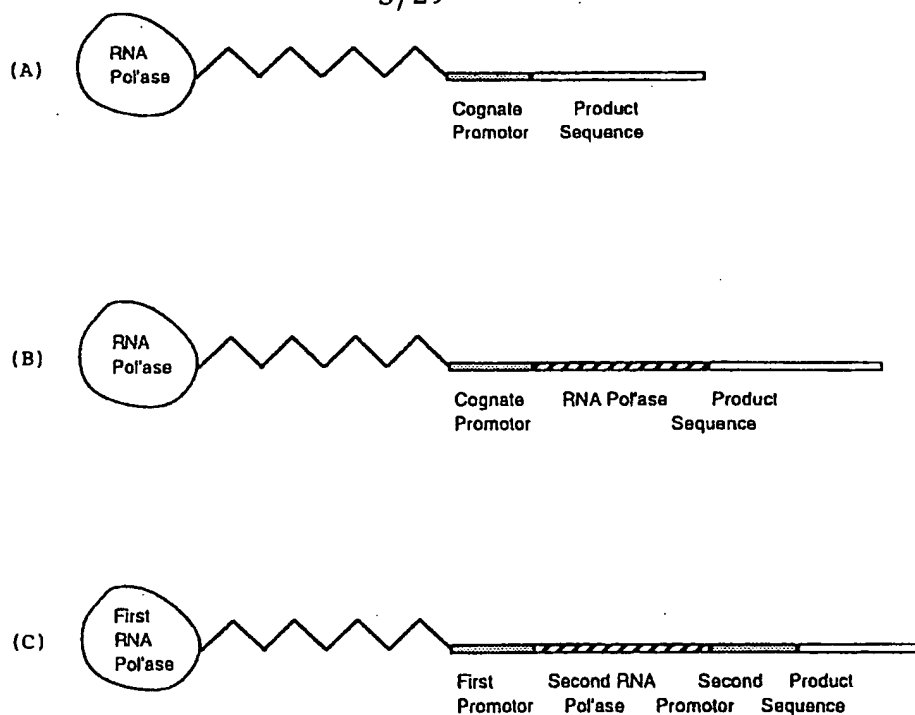
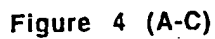


Figure 3 (A-C)

Three Constructs with an RNA Polymerase  
Covalently Attached to a Transcribing Cassette



### Three Constructs with Promoters for Endogenous RNA Polymerase

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M13mp18. Seq Length: 7250

1.	AATGCTACTA	CTATTAGTAG	AATTGATGOC	ACCTTTTCAG	CTGGGGGGCC
51.	AAATGAAAAT	ATAGCTAAAC	AGGTTATTGA	CCATTTCGCA	AATGTATCTA
101.	ATGGTCAAAC	TAAATCTACT	CGTTGCGAGA	ATTGGGAATC	AACTGTTACA
151.	TGGAATGAAA	CTTCAGACA	COGTACTTTA	GTTGCATATT	TAAAACATGT
201.	TGAGCTACAG	CACCAGATTC	AGCAATTAAG	CTCTAAGCCA	TCCGCAAAAA
251.	TGACCTCTTA	TCAAAGGAG	CAATTAAGG	TACTCTCTAA	TCCTGAOCTG
301.	TTGGAGTTTG	CTTCGGTCT	GGTTGCTTT	GAAGCTOGAA	TTAAAACGGG
351.	ATATTGAAG	TCCTTGGGC	TTCTCTTAA	TCCTTTTGAT	GCAATCGCT
401.	TTGCTCTGA	CTATAATAGT	CAGGGTAAAG	ACCTGATTTT	TGATTTATGG
451.	TCATTCTOGT	TTTCTGAAC	GTTTAAAGCA	TTTGAGGGGG	ATTCAATGAA
501.	TATTTATGAC	GATTCGCG	TATTCGAGC	TATCCAGTCT	AAACATTTTA
551.	CTATTACCC	CTCTGGCAA	ACTCTTTTG	CAAAAGCCTC	TGCTATTTT
601.	GGTTTTTATC	GTCGCTGGT	AAAGAGGGT	TATGATAGTG	TTGCTCTTAC
651.	TATGCTOGT	AATTCCTTT	GGGTTATGT	ATCTGCATTA	GTTGAATGTG
701.	GTATTOCTAA	ATCTCAACTG	ATGAATCTTT	CTACCTGTAA	TAATGTTGTT
751.	COGTTAGTTC	GTTTTATTAA	CGTAGATTTT	TCTTCCAAAC	GTCCTGACTG
801.	GTATAATGAG	CCAGTTCCTA	AAATGCGATA	AGGTAATTCA	CAATGATTAA
851.	AGTTGAAATT	AAACATCTC	AAGCCCAATT	TACTACTOGT	TCTGGTGTTC
901.	TGTCAGGGC	AAGCTTATT	CACTGAATGA	GCAGCTTTGT	TACGTTGATT
951.	TGGGTAAATGA	ATATCOGGTT	CTTGTCGAAG	ATTACTCTTG	ATGAAGGTCA
1001	GCCAGCCTAT	GGGCTGGTC	TGTACACCGT	TCATCTGTCC	TCTTTCAAAG
1051	TTGGTCAGTT	CGGTTCCCTT	ATGATTGAAC	GTCTGCGCCT	CGTTCCGGCT
1101	AAGTAACATG	GAGCAGGTG	CGGATTTTGA	CACAATTTAT	CAGGCGATGA
1151	TACAAATCTC	CGTTGTACCTT	TGTTTCGGC	TTGGTATAAT	CGCTGGGGGT
1201	CAAAGATGAG	TGTTTTAGTG	TATTCCTTGG	CCTCTTGGT	TTTAGGTTGG

Figure 5

M13mp18 Nucleic Acid Sequence

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1251	TGCTTGTGTA	GTGGCATTAC	GTATTTTACC	CGTTTAATGG	AAACTTCTCTC
1301	ATGAAAAAGT	CTTTAGTCCT	CAAAGCCTCT	GTAGGCGTTG	CTAOCCTOGT
1351	TCGATGCTG	TCTTTGCTG	CTGAGGGTGA	CGATCCCGCA	AAAGGGGCT
1401	TTAACTCCCT	GCAAGCCTCA	GCGACCGAAT	ATATCGGTTA	TGCGTGGGG
1451	ATGGTTGTTG	TCATTGTGG	CGCAACTATC	GGTAICAAGC	TGTTTAAGAA
1501	ATTCACTCG	AAAGCAAGCT	GATAAACCGA	TACAATTAAA	GGCTCTTTT
1551	GGAGCCTTTT	TTTTTGAGGA	TTTCAAAGT	GAAAAAATTA	TTATTOGCAA
1601	TTCTTTAGT	TGTTCTTTC	TATTCTCACT	CCGCTGAAAC	TGTTGAAAGT
1651	TGTTTAGCAA	AACCCATAC	AGAAAATTCA	TTTACTAACG	TCTGGAAAGA
1701	CGACAAACT	TTAGATCGTT	ACGCTAACTA	TGAGGGTTGT	CTGTGGAATG
1751	CTACAGCGGT	TGTAGTTTGT	ACTGGTGAAG	AAACTCAGTG	TTACGGTACA
1801	TGGGTTCTA	TTGGGCTTGC	TATCCCTGAA	AATGAGGGTG	GTEGCTCTGA
1851	GGGTGGGGT	TCTGAGGGTG	GCGGTTCTGA	GGGTGGGGT	ACTAAACCTC
1901	CTGAGTAAGG	TGATACACT	ATTCCGGGCT	ATACTTATAT	CAACCTCTC
1951	GACGGCACTT	ATCCGCTTGG	TACTGAGCAA	AACCGGCTA	ATCTAATCC
2001	TTCTCTTGAG	GAGTCTCAGC	CTCTTAATAC	TTTCATGTTT	CAGAATAATA
2051	GGTTCCGAAA	TAGGCAGGGG	GCATTAAC TG	TTTATACGGC	CACTGTTACT
2101	CAAGGCACTG	AACCGGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGCATG	TATGAAGCTT	ACTGGAAGCG	TAAATTCAGA	GACTGGGCTT
2201	CAAGGCACTG	AACCGGTTAA	AACTTATTAC	CAGTACACTC	CTGTATCATC
2151	AAAAGCATG	TGCTCAAC	TCCTGTCAAT	GCTGGGGGG	GCTCTGGTGG
2201	TCATTCTGG	CTTTAATCAA	GATOCATTGG	TTTGTGAATA	TCAAGGCCAA
2251	TGTTCTGAAC	TGCTCAAC	TCCTGTCAAT	GCTGGGGGG	GCTCTGGTGG
2301	TGGTCTGGT	GGGGCTCTG	AGGGTGGTGG	CTCTGAGGGT	GGGGTCTCTG
2351	AGGGTGGGG	CTCTGAGGGA	GGGGTTCCG	GTTGGTGGCTC	TGGTTCCGGT
2401	GATTTTGATT	ATGAAAAGAT	GGCAAAAGCT	AATAAGGGGG	CTATGAACGA
2451	AAATGCGGAT	GAAAAAGGCG	TACAGTCTGA	CGCTAAAGGC	AACTTGATT

Figure 5

M13mp18-Nucleic Acid Sequence

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2501	CTGTGCTAC	TGATTAOGGT	GCTGCTATCG	ATGGTTTCAT	TGGTGAOGTT
2551	TOGGGOCITG	CTAATGGTAA	TGGTGCTACT	GGTGATTTTG	CTGGCTCTAA
2601	TTCCAAATG	GCTCAAGTGG	GTGAOGGTGA	TAATTCACCT	TTAATGAATA
2651	ATTTGCGTCA	ATATTTACCT	TOOCTOOCCTC	AATGGGTTGA	ATGTGCGOOC
2701	TTTGTCTTTA	GCGCTGGTAA	AOCATATGAA	TTTCTATTG	ATTGTGACAA
2751	AATAAACTTA	TTGGTGGTG	TCTTTGGGTT	TCTTTTATAT	GTGGCAOCT
2801	TTATGTATGT	ATTTTCTACG	TTTGCTAACA	TACTGGGTAA	TAAGGAGTCT
2851	TTATCATGOC	AGTTCTTTTG	GGTATTOOCT	TATTATTGCG	TTTOCTOGGT
2901	TTCTTCTGG	TAACTTTGTT	CGGCTATCTG	CTTACTTTTC	TTAAAAAGGG
2951	CTTGGTAAG	ATAGCTATTG	CTATTTCAAT	GTTTCTTGCT	CTTATTATTG
3001	GGCTTAACTC	AATTCTTGTT	GGTTATCTCT	CTGATATTAG	CGCTCAATTA
3051	COCTCTGACT	TTGTTCAAGG	TGTTCAAGTTA	ATTCTOOCCT	CTAATGCGCT
3101	TOOCTGTTTT	TATGTTATTC	TCTCTGTAAA	GGCTGCTATT	TTCAATTTTTG
3151	ACGTAAACA	AAAAATCGTT	TCTTATTTGG	ATTGGGATAA	ATAATATGGC
3201	TGTTTATTTT	GTAACGGCA	AATTAGGCTC	TGGAAAGAG	CTGGTAGGG
3251	TTGGTAAGAT	TCAGGATAAA	ATTGTAGCTG	GGTGCAAAAT	AGCAACTAAT
3301	CTTGATTAA	GGCTTCAAAA	OCTOOOGCAA	GTOGGGAGGT	TGGCTAAAAC
3351	GOCCTGGGTT	CTTAGAATAC	CGGATAAGOC	TTCTATATCT	GATTTGCTTG
3401	CTATTGGGCG	CGGTAATGAT	TOCTACGAATG	AAAATAAAAA	CGGCTTGCTT
3451	GTCTCTGATG	AGTGGGTAC	TTGGTTTAAT	AOCGGTCTT	GGAATGATAA
3501	GGAAAGACAG	CGGATTATTG	ATTGGTTTCT	ACTGCTCGT	AAATTAGGAT
3551	GGGATATTAT	TTTCTTGTT	CAGGACTTAT	CTATTGTTGA	TAAACAGGGG
3601	CGTTCTGCAT	TAGCTGAACA	TGTTGTTTAT	TGTGGTGGTC	TGGACAGAAT
3651	TACITTAOCT	TTTGTGGTA	CTTTATATTC	TCTTATTACT	GGCTOGAAAA
3701	TGOCCTGOC	TAAATTACAT	GTTGGGGTTG	TTAAATATGG	CGATTCTCAA
3751	TTAAGCOCTA	CTGTTGAGGG	TTGGCTTTAT	ACTGGTAAGA	ATTTGTATAA
3801	CGCATATGAT	ACTAAACAGG	CTTTTCTAG	TAATTATGAT	TOGGTGTTT

Figure 5

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3851	ATTCTTATTT	AACGOCCTTAT	TTATCACACG	GTCGGTATTT	CAAAOCATTA
3901	AATTTAGGTC	AGAAGATGAA	ATTAACATAA	ATAATATTGA	AAAAGTTTTC
3951	TOGCGTTCCT	TGTCTTGCGA	TTGGATTTCG	ATCAGCATTY	ACATATAGTT
4001	ATATAACCCA	AOCTAAGCOG	GAGGTTAAAA	AGGTAGTCTC	TCAGAOCTAT
4051	GATTTTGATA	AATTCACAT	TGACTCTTCT	CAGOGTCTTA	ATCTAAGCTA
4101	TCGCTATGTT	TTCAAGGATT	CTAAGGGAAA	ATTAATTAAT	AGOGAOCGATT
4151	TACAGAAGCA	AGGTTATTCA	CTCACATATA	TTGATTTATG	TACTGTTTTC
4201	ATTAAAAAAG	GTAATTCAAA	TGAAATTGTT	AAATGTAATT	AATTTTGTTT
4251	TCTTGATGTT	TGTTTCATCA	TCTTCTTTTG	CTCAGGTAAT	TGAAATGAAT
4301	AATTOGOCCT	TGOGOGATTT	TGTAACCTGG	TATTCAAAGC	AATCAGGOGA
4351	AATOCGTTATT	GTTTCTCOOG	ATGTAAAAAG	TACTGTTACT	GTATATTCAT
4401	CTGAOCGTAA	AOCTGAAAAT	CTACGCAATT	TCTTTATTTT	TGTTTTAOGT
4451	GCTAATAATT	TTGATAATGGT	TGGTTCAATT	OCTTOCATAA	TTCAGAAGTA
4501	TAATOCAAAC	AATCAGGATT	ATATTGATGA	ATTGOCATCA	TCTGATAATC
4551	AGGAATATGA	TGATAATTOC	GCTOCTTCIG	GTGGTTTCTT	TGTTCCGCAA
4601	AATGATAATG	TTACTCAAAC	TTTTAAAAAT	AATAAOGTTC	GGGCAAGGA
4651	TTAATAOCA	GTTGTGGAAT	TGTTTGTAAG	GTCTAATACT	TCTAAATCCT
4701	CAATGTATT	ATCTATTGAC	GGCTCTAATC	TATTAGTTGT	TAGTGCTOCT
4751	AAAGATATTT	TAGATAAOCCT	TOCTCAATTC	CTTTCTACTG	TTGATTTGOC
4801	AACTGAOCAG	ATATTGATTG	AGGGTTTGAT	ATTTGAGGTT	CAGCAAGGTG
4851	ATGCTTTAGA	TTTTTCATTT	GCTGCTGGCT	CTCAGOGTGG	CACTGTTGCA
4901	GGOGGTGTTA	ATACTGAOOG	OCTCAOCTCT	GTTTTATCTT	CTGCTGGTGG
4951	TTGTTGOGGT	ATTTTAAATG	GOGATGTTTT	AGGGCTATCA	GTTGOGGCAT
5001	TAAAGACTAA	TAGOCATTCA	AAAATATTGT	CTGTGOCACG	TATTCTTAOC
5051	CTTTCAGGTC	AGAAGGGTTC	TATCTCTGTT	GGOCAGAATG	TCCCTTTTAT
5101	TAAAGACTAA	TAGOCATTCA	AAAATATTGT	CTGTGOCACG	TATTCTTAOC
5151	OGATTGAGOG	TCAAAATGTA	GGTATTTCCA	TGAGOGTTTT	TOCTGTTGCA

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M13mp18 Nucleic Acid Sequence



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5201	ATGGCTGGGG	GTAATATTGT	TCTGGATATT	AOCAGCAAGG	COGATAGTTT
5251	GAGTTCTCT	ACTCAGGCAA	GTGATGTTAT	TACTAATCAA	AGAAGTATGG
5301	CTACAAOGGT	TAATTTGCGT	GATGGACAGA	CTCTTTTACT	CGGTGGGCTC
5351	ACTGATTATA	AAAACACTTC	TCAAGATTCT	GGGTACGGT	TCCTGTCTAA
5401	AATCCCTTTA	ATCGGCTOC	TGTTTAGCTC	CGCTCTGAT	TOCAAOGAGG
5451	AAAGCAOGT	ATAOGTGCTC	GTCAAAGCAA	OCATAGTACG	CGGCTGTAG
5501	CGGGGCATTA	AGGGGGGGG	GTGTGGTGGT	TACGGGCAGC	GTGAOOGCTA
5551	CACTTGCCAG	CGGCTAGGG	CGGCTGCTT	TCGCTTTCTT	CGCTTCTTTT
5601	CTGGCAOGT	TGGGGGCTT	TGGGGTCAA	GCTCTAAATC	GGGGGCTGGC
5651	TTTAGGGTTC	CGATTTAGTG	CTTTACGGCA	CGTGAAGGCG	AAAAAAGTTG
5701	ATTTGGGTGA	TGGTTCAGGT	AGTGGGCGAT	CGGCTGATA	GAGGTTTTTT
5751	CGGCTTTGA	CGTTGGAGTC	CACGTTCTTT	AATAGTGGAC	TCTTGTTCOA
5801	AACTGGAACA	ACACTCAAAC	CTATCTGGGG	CTATTCTTTT	GATTTATAAG
5851	GGATTTTGGC	GATTTGGGAA	CCACATCAA	ACAGGATTTT	CGGCTGCTGG
5901	GGCAAAOCAG	CGTGGAGGCG	TTGCTGCAAC	TCTCTCAGGG	CCAGGGGGTG
5951	AAGGGCAATC	AGCTGTTGGC	CGTCTGGCTG	GTGAAAAGAA	AAACCAAGCT
6001	GGGGGCAAT	AGCAAAAGG	CGTCTGGGG	CGGTTGGCG	GATTCATTAA
6051	TGCAGCTGGC	AGGACAGGTT	TGGGACTGG	AAAGGGGGCA	GTGAGGGCAA
6101	CGCAATTAAT	GTGAGTTAGC	TCACTCATTA	GGCAAGGAG	GCTTTACACT
6151	TTATGCTTCC	GGCTGGTATG	TTGTGTGGAA	TTGTGAGGG	ATAACAATTT
6201	CACACAGGAA	ACAGCTATGA	CCATGATTAC	GAATTCAGG	TGGTACGGG
6251	GCGATCTCT	AGAGTGAAC	TGCAGGCATG	CAAGCTTGGC	ACTGGGGGTC
6301	GTTTTACAAC	GTGGTGAAG	GGAAAAAGCT	GGGTATAGG	AACTTAATGG
6351	CGTTGCAGCA	CAATCCGCTT	TGGCAGCTG	GGTAATAGC	GAAGAGGGGC
6401	GCAAGGATGG	CGCTTGGCAA	CGTTGGGCA	GGTGAATGG	CGAATGGGGC
6451	TTTGCTGGT	TTGGGGGAG	AGAGGGGGTG	CGGAAAGCT	GGCTGGAGTG
6501	CGATCTTCT	GAGGGGATA	CGGTGGTGGT	CGGTCAAAC	TGGCAGATGC

Figure 5

M13mp18 Nucleic Acid Sequence

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6551	ACGGTTACGA	TGCGCCCATC	TACAACCAAG	TAACTATOC	CATTACGGTC
6601	AATCGCGGT	TTGTTCCAC	GGAGAATCG	ACGGTTGTT	ACTCGCTCAC
6651	ATTTAATGTT	GATGAAAGCT	GGCTACAGGA	AGGCCAGAOG	CGAATTATTT
6701	TTGATGGGT	TOCTATTGGT	TAAAAAATGA	GCTGATTTAA	CAAAAATTTA
6751	ACGCGAATTT	TAACAAAATA	TTAACGTTTA	CAATTTAAAT	ATTTGCTTAT
6801	ACAATCTTCC	TGTTTTTGGG	GCTTTTCTGA	TTATCAACCG	GGGTACATAT
6851	GATTGACATG	CTAGTTTTAC	GATTACCGTT	CATCGATTCT	CTTGTTTGCT
6901	CCAGACTCTC	AGGCAATGAC	CTGATAGCCT	TTGTAGATCT	CTCAAAAATA
6951	GCTACCTCT	CCGGCATGAA	TTTATCAGCT	AGAACGGTTG	AATATCATAT
7001	TGATGGTGAT	TTGACTGTCT	CCGGCCTTTC	TCACCTTTT	GAATCTTTAC
7051	CTACACATTA	CTCAGGCATT	GCATTTAAAA	TATATGAGGG	TTCTAAAAAT
7101	TTTTATCCTT	GGTTGAAAT	AAAGGCTTCT	CCCGCAAAG	TATTACAGGG
7151	TCATAATGTT	TTTGGTACAA	CCGATTTAGC	TTTATGCTCT	GAGGCTTTAT

Figure 5

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COMPLEMENTARY TO M <sub>13</sub>			
POSITION	5' . . . 3'	POSITION	
645	AGCAACACTATCAT	631	M <sub>13</sub> /1
615	ACGACGATAAAAACC	601	M <sub>13</sub> /2
585	TTTTGCAAAAGAAGT	571	M <sub>13</sub> /3
555	AATAGTAAATGTTT	541	M <sub>13</sub> /4
525	CAATACTGCGGAATG	511	M <sub>13</sub> /5
495	TGAATCCCCCTCAAA	481	M <sub>13</sub> /6
465	AGAAAACGAGAATGA	451	M <sub>13</sub> /7
435	CAGGTCCTTTACCTG	421	M <sub>13</sub> /8
405	AGGAAAGCGGATTGC	391	M <sub>13</sub> /9
375	AGGAAGCCCGAAAGA	361	M <sub>13</sub> /10

COMPLEMENTARY TO SS PHAGE DNA			
POSITION	5' . . . 3'	POSITION	
351	ATATTTGAAGTCTTT	366	M <sub>13</sub> /11
371	TCTTTTGTATGCAAT	386	M <sub>13</sub> /12
391	CTATAATACTCAGGG	406	M <sub>13</sub> /13
411	TGATTTATGGTCATT	426	M <sub>13</sub> /14
431	GTTTAAAGCATTTGA	446	M <sub>13</sub> /15
451	TATTTATGACGATTG	466	M <sub>13</sub> /16
471	TATCCAGTCTAAACA	486	M <sub>13</sub> /17
491	CTCTGGCAAACTTC	506	M <sub>13</sub> /18
511	TCGCTATTTGGTTT	526	M <sub>13</sub> /19
531	AAACGAGGGTTATGA	546	M <sub>13</sub> /20

Figure 6

Primers for Nucleic Acid Production  
Derived from M13mp18 Sequence

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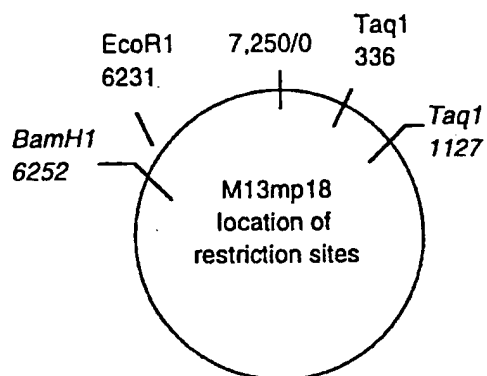
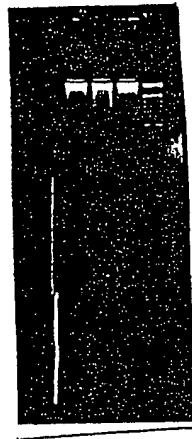


Figure 7

Appropriate M13mp18 Restriction Sites

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Lane 1: from calf thymus + Taq digested mp18 amplification reaction  
Lane 2: from Taq digested mp18 amplification reaction  
Lane 3: from calf thymus amplification reaction  
Lane 4: øX174 Hinf1 size marker

**Figure 8**

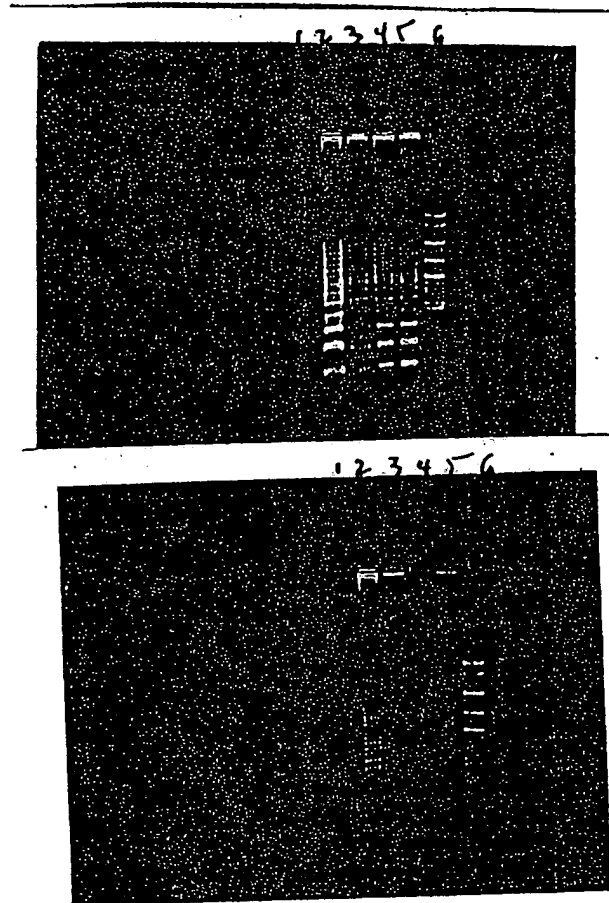
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Lane 1: no template  
Lane 2: mp18 template, phosphate buffer  
Lane 3: MspI/pBR322 size marker  
Lane 4: mp18 template, MOPS buffer

Figure 9

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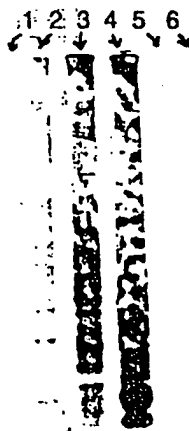


Top= (+) Template  
Bottom= (-) Template

Lane 1: phosphate buffer  
Lane 2: MES  
Lane 3: MOPS  
Lane 4: DMAB  
Lane 5: DMG  
Lane 6: pBR322/Mspl size marker

Figure 10

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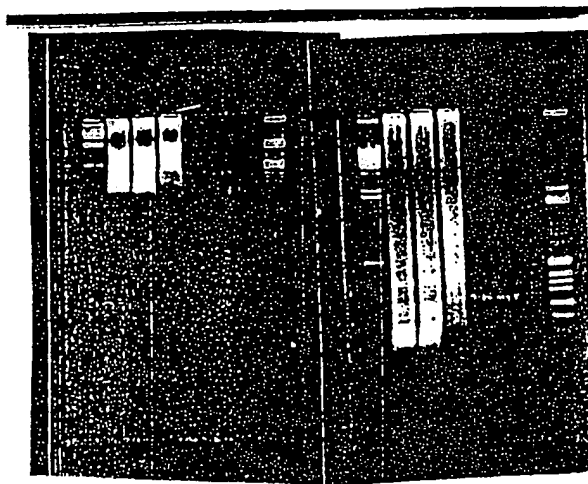


Lane 1: DMAB buffer, no template  
Lane 2: DMAB buffer, mp18 template  
Lane 3: DMG buffer, no template  
Lane 4: DMG buffer, mp18 template  
Lane 5: No reaction  
Lane 6: 200 ng Taq I digested mp18  
size marker/positive control

Figure 11



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First Time Interval    Second Time Interval

#### Agarose Gel Analysis

Lane 1: lambda Hind III marker  
Lane 2: Amp/Untreated  
Lane 3: Amp/Kinased  
Lane 4: Amp/Kinased/Ligated  
Lane 5: PCR/Untreated  
Lane 6: PCR/Kinased  
Lane 7: PCR/Kinased/Ligated  
Lane 8: phiX174/Hinf1 marker

Figure 12

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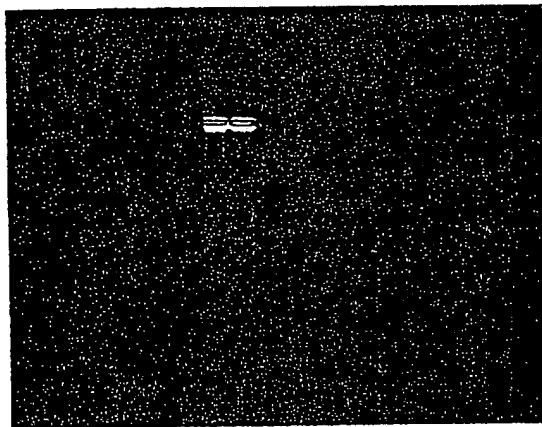
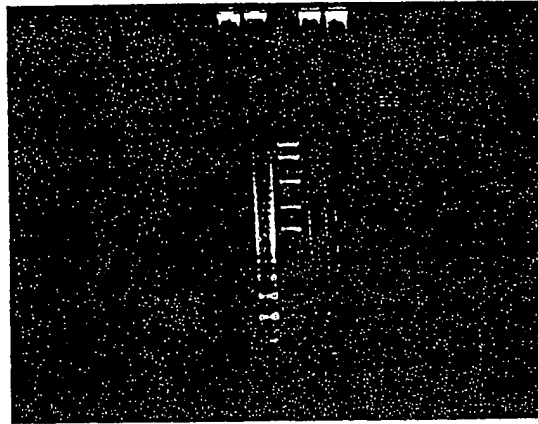


Figure 13

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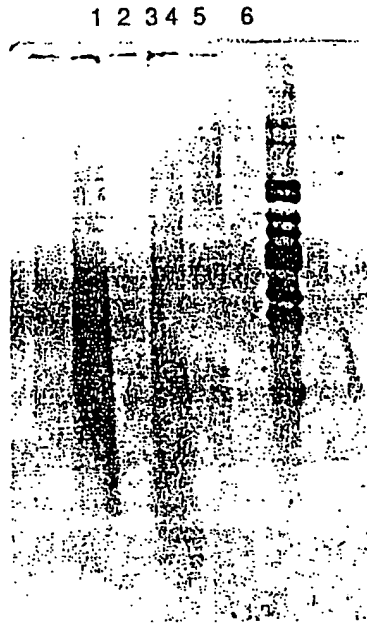
1 2 3 4 5 6



Lane 1: Primers alone  
Lane 2: Primers + taq digested M13 DNA  
Lane 3: Molecular weight markers  
Lane 4: Primers + RNA  
Lane 5: Primers alone  
Lane 6: M13 digested DNA  
Buffer was dimethyl amino glycine, pH 8.6

Figure 14

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Lane 1: Primers alone  
Lane 2: Primers + taq digested M13 DNA  
Lane 3: Molecular weight markers  
Lane 4: Primers + RNA  
Lane 5: Primers alone  
Lane 6: M13 digested DNA  
Buffer was dimethyl amino glycine, pH 8.6

Figure 15

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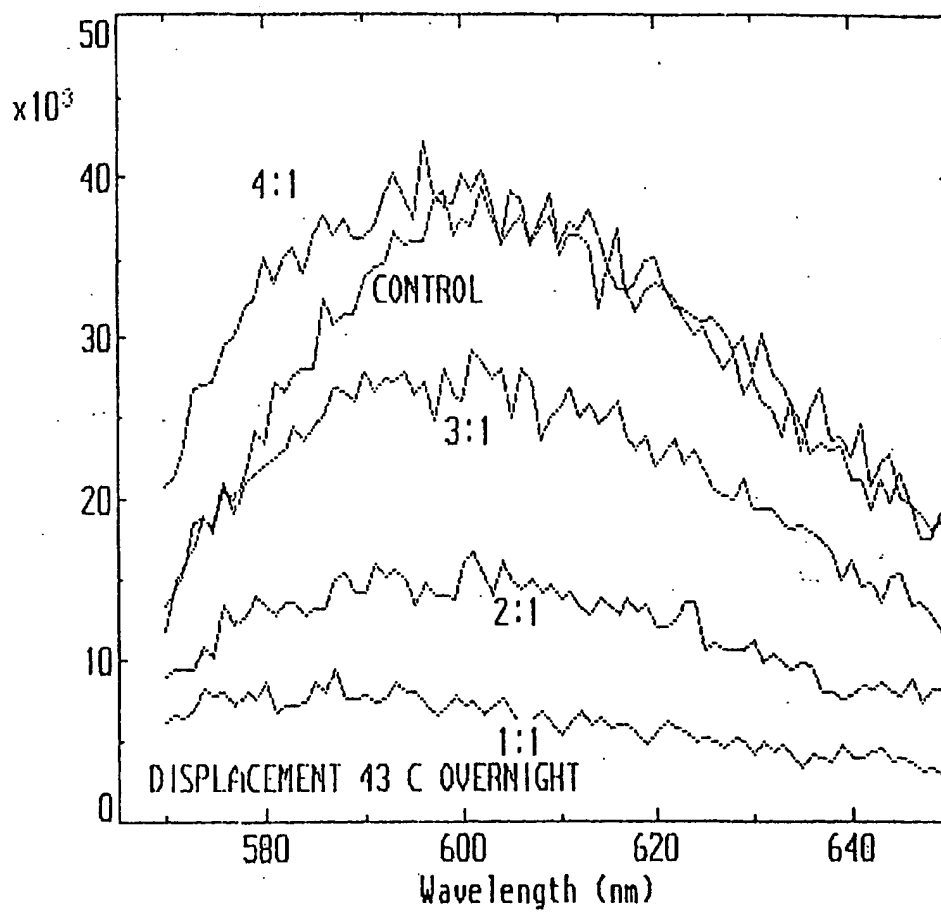


Figure 16

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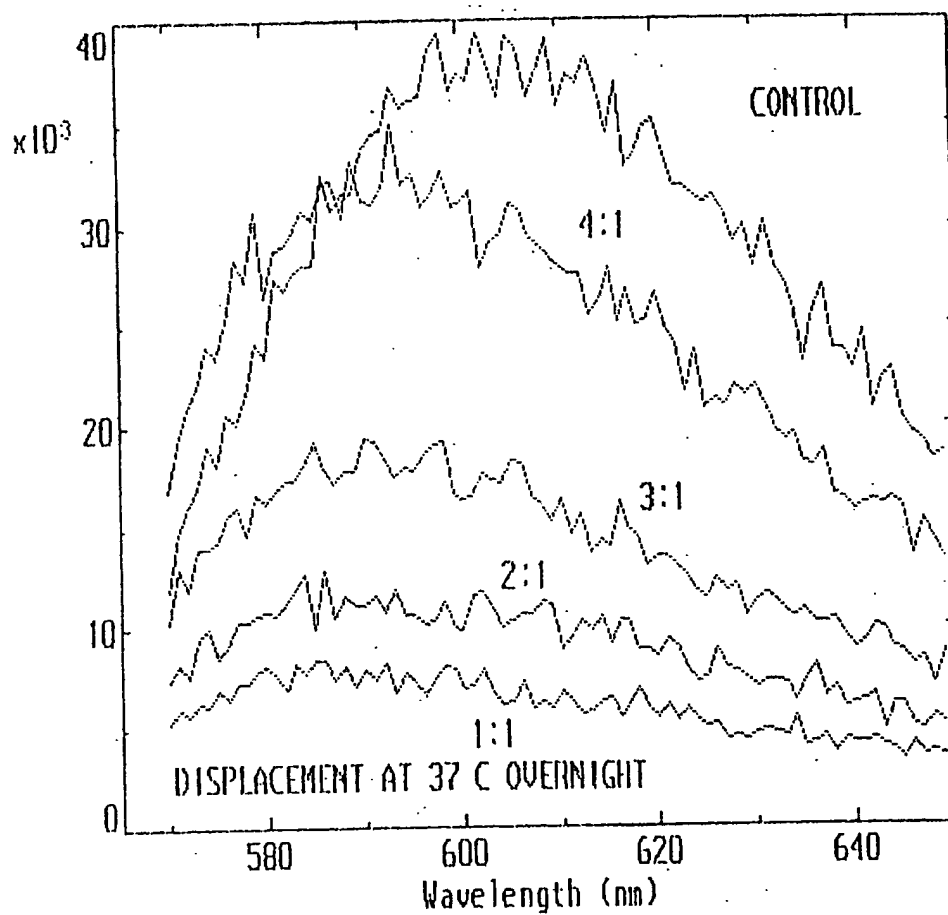


Figure 17

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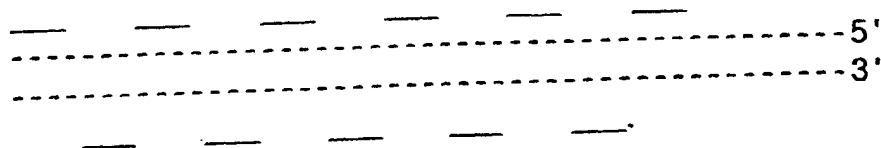
fmet AUG of Lac z (T7 Promotor region---  
LAC PROMOTOR..ATG ACC ATG ATT ACG CCA GAT ATC AAA TTA ATA CGA CTC ACT ATA  
oligo 50-mer 3'- tac t'aa t'gc ggt' ct'a t'ag t'Vt aat' tat' gct' gag t'ga t'at' c-5'  
10 base insert  
T7 RNA Start ("" T3 Promotor Region )  
IGGG CTC ICCT TTA GTG ACG GTT AAT  
---") -- T3 Start Signal

pIBI 31 BSII/HCV

fmet AUG of Lac z (T3 Promotor region --) T3 RNA Start  
LAC PROMOTOR ..ATG ACC ATG ATT ACG CCA AGC TCG AAA TTA ACC CTC ACT AAA /GGG  
oligo 50-mer 3'- tac t'aa t'ac t'aa t'gc ggt' t'V--10 base insert-----  
(M-- T7 Promotor Region )  
MULTIPLE CLONING SITE + 390 BASE INSERT CTA /TAG TGA GTC CGT ATT AAT....  
-- T7 Start Signal  
5'-ct'a t'ag t'ga gt'c gt'a tt'a at'.....

Figure 18

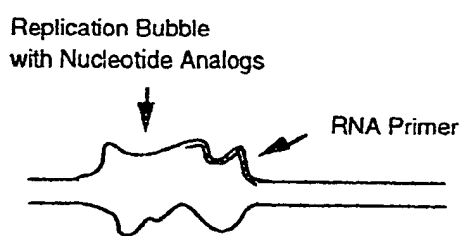
24/29



**Figure 19**



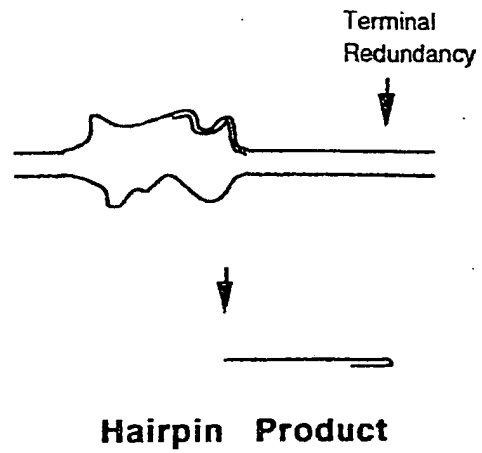
25/29



**Primer-Dependent DNA Production  
Using Nucleic Acid Construct**

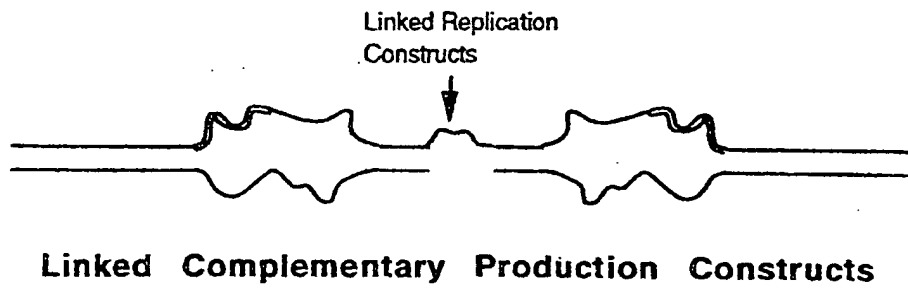
**Figure 20**

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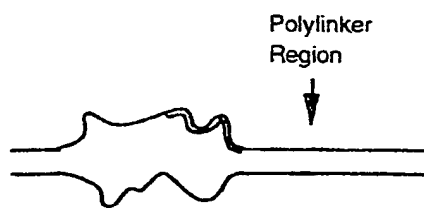
**Figure 21**

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**Figure 22**

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**Cloning Site in Production Constructs**

**Figure 23**

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ARRANGEMENT OF OLIGONUCLEOTIDE PRIMERS IN AMPLIFICATION REACTION

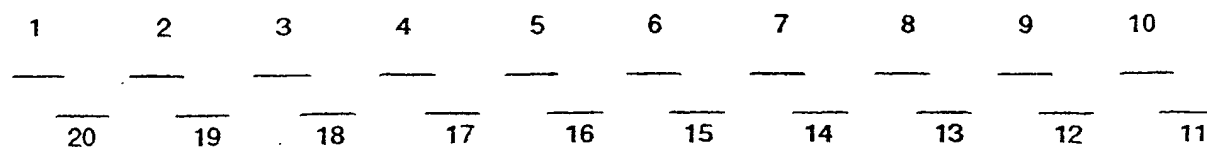


Figure 24